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Product Information

MemDX™ Membrane Protein Human ATP4A (ATPase H+/K+ transporting subunit alpha) for Antibody Discovery

Cat. No.: **MP0079X**
This product is for research use only and is not intended for diagnostic use.

This product is a 113.9 kDa Human ATP4A membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
ATP4A

Protein Length
Full-length

Molecular Weight
113.9 kDa

TMD
10

Sequence
MGKAENYELYSVELGPGPGGDMAAKMSKKKKAGGGGGKRKEKLENMKKEMEINDHQLSVAELEQKYQTSATKGLSASLAAELLL

Product Description

Application
Antibody Production

Expression Systems
in vitro wheat germ expression system

Tag
NO

Protein Format
Liposome

Form

Liquid

Purification

None

Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

ATP4A

Full Name

ATPase H+/K+ transporting subunit alpha

Introduction

The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H+, K+-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H(+) and K(+) ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes a catalytic alpha subunit of the gastric H+, K+-ATPase

Alternative Names

ATP6A; ATPase, H+/K+ transporting, alpha polypeptide; OTTHUMP00000045780; gastric H+/K+ ATPase alpha subunit; gastric H,K-ATPase catalytic subunit; gastric hydrogen-potassium ATPase; hydrogen/potassium-exchanging ATPase 4A; potassium-transporting ATPase alpha chain 1

Gene ID

495

UniProt ID

P20648

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